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Jackson et al.

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(54) **DETECTING THROUGH-BODY INPUTS AT A WEARABLE AUDIO DEVICE**

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(71) Applicant: **Apple Inc.**, Cupertino, CA (US)

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(52) **U.S. Cl.**

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See application file for complete search history.

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(57)

ABSTRACT

The present disclosure describes systems, devices, and techniques related to a wearable audio device, such as an earbud or other device that is configured to detect inputs and change the operation of the wearable audio device in accordance with the inputs. In some embodiments, the wearable audio device is disposed in a structure and detects signals propagating through or within the structure. Various inputs may cause one or more signals to propagate through or within the structure, outside the structure, or some combination thereof. The wearable audio device may determine whether a detected signal was generated by an input and, if so, change its operation in accordance with the input.

15 Claims, 13 Drawing Sheets

